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ML Traver, RJ Atkinson, CM Atkinson - SAE transactions, 1999 - cermr.wvu.edu

... the accuracy of the networks and to provide the software with a means to determine ... The method shows promise for producing a virtual sensor suite capable of predicting accurate ... for engines being operated in circumstances other than those in a transient engine testing cell. ...

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Merging virtual objects with the real world: Seeing ultrasound imagery within the ...

M Bajura, H Fuchs, R Ohbuchi - ACM SIGGRAPH Computer ..., 1992 - portal.acm.org

... a "transducer transformation" and a "camera transformation," are needed to calibrate our test system ... superimposition to show, for instance, the location of special parts within an engine. ... we hope to encourage applications not only of "virtual environments" (imaginary worlds), but ...

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[PDF] Gamebots: A 3D virtual world test-bed for multi-agent research

R Adabati, AN Marshall, A Scholer, S Tejeda, ... - Proceedings of the ..., 2001 - Citeseer

... all game logic and object interaction under Unreal Tournament while the main game engine handles the ... with the bots is an effective method for researchers to evaluate, diagnose and test their bots ... In this 3D virtual environment, the game can be paused at any point and the ...

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Evaluation of the effects of frame time variation on VR task performance

B Watson, V Srauding, N ... - of VR'95, 1996 - doi.ieee-computersociety.org

... Success of the placement task was measured by testing the location of the target object; it had to be completely ... of 30 - sqrt(2) x 30 = 8 ms), which we cannot consistently teach on our Crimson Reality Engine with the ... Certainly virtual applications are moving towards significantly ...

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Real-time computerized engine analyzer using multiple analog-to-digital ...

S Mueller, S Meyers, C Lambach, G Stern, J ... - US Patent ..., 1996 - Google Patents

... capability of expansion to perform other engine test functions by adding other test modules. ... analog sample and display circuitry (the ability to provide high speed, virtual real-time ... is: 1. An apparatus

wvu.edu [PDF]

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for monitoring waveforms of an internal combustion engine, comprising means ...

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[RR Ryan · VDI BERICHT. 1999 · redent.nl](#)

... Figure 15. Template-based Engine Mount Design System Page 17 ... To simultaneously reduce the overall development time, it is necessary to automate the virtual prototyping process. ...

development engineers, analysts, and test engineers. Although this cooperation may not be ...

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[Virtual graphics processor for embedded real time display systems](#)

[TG Dennison, JG Fisher, SE Lindsley, TA ... · US Patent ... 1997 · Google Patents](#)

... system may be used, however, the executable code must be 45 qualified through a testing procedure to ... interface (video library) 28, and a graphics logic unit (also known as a screen engine)

30, ... The output of the virtual graphics processor is a series of calls to the image control ...

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... The excellent generalization capabilities achieved through on-line learning means that the engine control system ... PROOF OF CONCEPT VIRTUAL SENSOR DEMONSTRATION - II ... the measured

speed and power characteristics of an arbitrary transient engine test cycle used ...

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[Naim Patrick · 1990 · dspace.mit.edu](#)

... Reference input to a control system RE Remote Environment t Student t-test value Tic ... providing visual information through all of the cockpit windows; audio information of engine noise and ... For

instance, a person interacting with a virtual sculpture would be more overwhelmed by ...

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[A testbed for studying and choosing predictive tracking algorithms in virtual.....](#)

[JJ Lavioia · Proceedings of the workshop on Virtual environments ... 2003 · portal.acm.org](#)

... make a subclass of the Predictor abstract base class which contains the virtual prepare and ... the results for both tabular and graphical display according to the particular test run ... The Signal

Analysis component also connects to the MATLAB engine so it can utilize MATLAB's ...

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PDFJ A Matlab-based modeling and simulation package for electric and hybrid
KL Butler, M Ehsani, P Kamath - IEEE transactions on ..., 1999 - psaiserver.tamu.edu
... A table is included which compares performance parameters such as fuel consumption
emissions for each simulation study. ... The power plant is shown in Fig. 4. Table 1 shows
and vehicle specifications utilized to design the conventional drive train. ...
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[pdf] integrated, high fidelity, engine-...-vehicle simulation of the international
DN Assanis, ZS Filipi, S Gravano, D ... SAE ... 2000 - me.engin.umich.edu
... hence the resistance load felt by the engine ... constant vehicle speed on varying terrain
speed/load cycles, such as the ones used for emission testing ... As mentioned earlier, the
simulation is configured as a feed-forward system, where everything starts with the driver
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Fig. 5 is a photograph of the projection engine, projection optics (inside the housing), and the software-based simulation of the volumetric display was created as an element of the ...

[PDF Updated emissions from ocean shipping](#)
 J. Corbett, H.W. Koehler - J. Geophys. Res. 2003 - ocean.utd.edu
 ... or that very high resolution be used in classifying vessel types and engine characteristics into ...
 Using Monte- Carlo simulation, we evaluated the impact of simultaneously varying each parameter ...
 triangle distributions on the estimates for fuel consumption and emissions for each ...
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... charging on vehicle speed and its implications for assessing vehicle emissions
SD Beevers, DC Carslaw / Atmospheric Environment, 2005 - Elsevier

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Simulation of NOx and ultrafine particles in a street canyon in Stockholm, Sweden

Calhoun, Johannes, 2004 - Atmospheric

The simulation covers workdays during the period 11 September–28 November 2009.

... the emission covers weekdays during the period 1 September 2002 to 15 September 2002. The difference in engine load may have a great impact on the emissions, e.g. uphill driving on ... in a traffic

inventory set up for Tehran Iran (World Bank study "Tehran Emission Reduction Project ...

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PPET Design studies of a series hybrid heavy-duty transit bus using V-ELPH 2 01

Z Rahman KI Butler M Ehsani IEEE Ubiquitous Technology 1000 - next generation computing

for Karpiloff, N. G., Walter, M. L. & Saito - Iwakura, Y. (1989) = pseudonymously ...

of our result in figure 8 and discuss some of its key features regarding the simulation. The engine

emissions presented in the figure were calculated using the empirical equations provided by

emissions presented in the figure were calculated using the emission factors provided by Prabhakar [8] and 80% respectively which is close to what we 400 600 Time in seconds

Chen et al. • Painful stimuli • Afferent pathways

IPPEI Reduction of Heavy-Duty Diesel Engine Emission and Fuel Economy With

[illegible]

employed, 11 July 2004 - 15, 0051181a.ec.jp

... emission regulations, current research is aimed at the reduction of soot and nitric oxide (NOx) emissions while maintaining the baseline condition is shown in Table 2. For this engine fuel

emissions, while maintaining ... The base-line condition is shown in Table 2. For this engine, the injection shape, boost pressure and in this simulation two-pulse injection was performed

Cited by 13. Detailed analyses (Farrar et al. 1994) of the

ATEMIS—A tool for calculating air traffic exhaust emissions and its application

ART VOLUME D ELLER Science of the Total Environment, The 1995 Elsevier

10. Kallivokas, N. *Finite - Subalgebras*, 1993 - Elsevier.

... little series like seasonal fluctuations may be interesting as well as the split ... References [1]
Euler Simulation and Berechnung der Schadstoffemissionen der zivilen [3] International Civil

Aviation Organisation (ICAO) Committee on Aircraft Engine Emissions (CAEE) 2nd

Aviation Organisation (CAO), Committee of Experts on the Control of Airspace, 28-9

Power Development of car drive cycle for simulation of emissions and fuel economy

Journal of Developmental Economics 86 (2006) 215–232

Wohnhafter-GH, BRNagelzogen - ... 011011 European Automobile ... ZAGS - SGS-europe.net

... III Japan die 10-13 mode cycle is currently used for emission certification and ... duty vehicles the 12 mode cycle for the testing of heavy duty engines. Procedures 15th European Simulation

the 13-mode cycle for the testing of heavy duty engines. Proceedings 19th European Symposium Alexander Vorkbroek, Vlatko Hlucic (Eds.) (c) ECS European Council

Sylliposium Alexandri velulaeck, viaika Hupic (Eus.) (C)

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A Wavelet Synthesis Technique for Creating Realistic Virtual Environment Sounds

TP Caudell - MIT Press

... Figure 1 graphically illustrates the wavelet transform ... The air-plane engine sound can be converted into a car sound by de-emphasizing the approximation coefficients ... is important for being able to reliably control the sound synthesis from a virtual environment simulation system ...

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VEHICLE BATTERY STATE OF CHARGE INDICATOR

J Palladino - 2008 - freepatentsonline.com

... 12 is a graphical illustration of determination of the state of recovery of the target battery. ... The torque versus current cranking requirements for large diesel engines are well known over a broad ... Cranking time until engine start is measured and thus the rate at which current was ...

[PDF] Energy and emission aspects

RTM Smokers, A J Dijkhuizen, R G Winkel, R Kost, R ... - 130.202.177.102

... But when eg a diesel engine is used, the fact that it is only used near or at its optimum efficiency point will ... This is a Topic Report in which simulation results are presented, obtained with ADVISOR, of the energy consumption of various hybrid ... Engine Model 1NZ-FXE 5E-FE ECA ...

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CM Eckert, DC Wynn, P J Clarkson, S Black - 2008 - www.edc.eng.cam.ac.uk

... flexibility is achieved through a platform with would include a common chassis, engine and power ... For each car different versions are offered, eg, a petrol and a diesel model might ... Table 1 Summary of the simulation results shown in Figure 5, Values indicate cost in designer ...

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[BOOK] Smart Driver Training Simulation: Save Money, Prevent

WD Kappler - 2008 - books.google.com

... For example, Knie (1994) believes this accounts for the success of the diesel engine, which is a piston engine ... accounts, he believes, for the failure of the NSU/Wankel project (not a piston engine), which may ... But which are the basic issues and models behind driving simulation? ...

Dr. M. P. F.

doi:10.1017/S0022292412001906

13041 405' 136

PDF 4. TITLE AND SUBTITLE The Reduction of NOx Emissions from Marine ...

H. Urban, D. Krauss, B. Wallace, J. H. Wasser, M. P. ... dic m...

... Thus, the graphical data indicate that the optimum amount of water is quite small ... Simulation of Recuperated Gas Turbines with WFI The depression of the compressor discharge ... 3. Wasser, J. and R. Perry, "Diesel Engine NOx Control: Selective Catalytic Reduction and Methanol ...

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... Diesel Fuel and High Performance Computing By Mike Gough ... "The Gemini Euler Solver for the Coupled Simulation on Underwater ... connected to each other in a three dimensional (3-D) torus using a Hyper Transport link with a dedicated Cray SeaStar communications engine. ...

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... hypothesis of a critical dose for overload tumor induction by diesel soot and carbon ...

W. S. Suter, II, Mauderly Inhalation Toxicology 1994 - informahealthcare.com

... of the POCK model were consistent with previous POCK representations of diesel soot and ...

Depending on aerosol material and rat strain, common critical values of this dose relating to ... tumor induction were postulated and calculated by using the model-inferred simulation data. ...

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... SYSTEM FOR MEASUREMENT AND SIMULATION IN DISTRIBUTED CONTROL ...

B. Fredriksson - US Patent App. 11/420,684, 2006 - Google Patents

... be divided in general into the following functions: [0014] 1. Graphical display function [0015] ... in block diagram form, a measure- ment, analysis and simulation arrangement in ... Two-Stage Turbocharging-3K-Warner's New Charging System for Commercial Diesel Engines" by gradu ...

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proft Diesel hybridization and emissions.

M. Pasquier, G. Marnett - 2004 - jodent.com

... Page 14, 12/1 Diesel Hybridization and Emissions 12/122 ... The CVT ratio allows keeping the engine at a target operating speed. On the other hand, **simulation results** show

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